



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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GOVERNOR

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SECRETARY

MEMORANDUM TO: Project Engineers
Project Design Engineers

FROM: G. R. Perfetti, P. E.
State Bridge Design Engineer

DATE: September 7, 2004 (Rev. November 12, 2004)

SUBJECT: GROUT CANS FOR ELASTOMERIC BEARINGS

When elastomeric bearing pads are used at expansion ends of steel girders with spans greater than 120 feet, detail grout cans to accommodate placement of anchor bolts. Modify the appropriate Elastomeric Bearing Details Standard Drawing to show the grout cans, and place the following notes on the standard:

The contractor's attention is called to the following procedures to accommodate girder translation and end rotation:

- 1. Once the deck has cured, the girders shall be jacked and the anchor bolts, sole plate, and elastomeric bearing slots shall be centered as nearly as practical about the bearing stiffener. This operation shall be performed at approximately 60° F (16° C).***
- 2. After centering the slots and anchor bolts, the sole plates shall be field welded to the girder flanges and anchor bolts grouted.***

The contractor may propose alternate methods, provided details are submitted to the Engineer for review and approval.

In addition place the following note on the appropriate bent or end bent drawing(s):

Epoxy coat the (end) bent cap after adjustments are made to bearings and anchor bolts are grouted.

This policy is effective with the January 2005 letting. The Design Manual will be revised at a later date.

GRP/SD

cc: R. V. Keith, P. E.
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